

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 501318.01	APPLICATION NO. 10/747984 Not yet assigned
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT(S) Joseph M. Jeddeloh	
		FILING DATE Concurrently herewith	GROUP ART UNIT Not yet assigned 2187

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AM	AA	5,251,303	10/05/93	Fogg, Jr. et al.	395	275	
AM	AB	5,432,907	07/11/95	Picazo, Jr. et al.	395	200	
AM	AC	5,442,770	08/15/95	Barratt	395	403	
AM	AD	5,497,476	03/05/96	Oldfield et al.	395	439	
AM	AE	5,659,798	08/19/97	Blumrich et al.	395	846	
AM	AF	5,875,352	02/23/99	Gentry et al.	395	843	
AM	AG	6,061,263	05/09/00	Boaz et al.	365	51	
AM	AH	6,067,262	05/23/00	Irrinki et al.	365	201	
AM	AI	6,073,190	06/06/00	Rooney	710	56	
AM	AJ	6,105,075	08/15/00	Ghaffari	710	5	
AM	AK	6,137,709	10/24/00	Boaz et al.	365	51	
AM	AL	6,144,587	11/07/00	Yoshida	365	189.05	
AM	AM	6,167,465	12/26/00	Parvin et al.	710	22	
AM	AN	6,167,486	12/26/00	Lee et al.	711	120	
AM	AO	6,201,724 B1	03/13/01	Ishizaki et al.	365	49	
AM	AP	6,233,376 B1	05/15/01	Updegrove	385	14	
AM	AQ	6,243,769 B1	06/05/01	Rooney	710	56	
AM	AR	6,246,618 B1	06/12/01	Yamamoto et al.	365	200	
AM	AS	6,285,349 B1	09/04/01	Smith	345	147	
AM	AT	6,301,637 B1	10/09/01	Krull et al.	711	112	
AM	AU	6,327,642 B1	12/04/01	Lee et al.	711	120	
AM	AV	6,330,205 B2	12/11/01	Shimizu et al.	365	230.06	
AM	AW	6,347,055 B1	02/12/02	Motomura	365	189.05	

EXAMINER

DATE CONSIDERED

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* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 501318.01	APPLICATION NO. 10/747 984 Not yet assigned		
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>				APPLICANT(S) Joseph M. Jeddelloh			
				FILING DATE Concurrently herewith		GROUP ART UNIT Not yet assigned 2187	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AM	AX	6,349,363 B2	02/19/02	Cai et al.	711	129	
AM	AY	6,356,573 B1	03/12/02	Jonsson et al.	372	46	
AM	AZ	6,367,074 B1	04/02/02	Bates et al.	717	11	
AM	BA	6,373,777 B1	04/16/02	Suzuki	365	230.03	
AM	BB	6,381,190 B1	04/30/02	Shinkai	365	230.03	
AM	BC	6,421,744 B1	07/16/02	Morrison et al.	710	22	
AM	BD	6,434,639 B1	08/13/02	Haghighi	710	39	
AM	BE	6,463,059 B1	10/08/02	Movshovich et al.	370	389	
AM	BF	6,470,422 B2	10/22/02	Cai et al.	711	129	
AM	BG	6,473,828 B1	10/29/02	Matsui	711	104	
AM	BH	6,477,614 B1	11/05/02	Leddige et al.	711	5	
AM	BI	6,477,621 B1	11/05/02	Lee et al.	711	120	
AM	BJ	6,496,909 B1	12/17/02	Schimmel	711	163	
AM	BK	6,505,287 B2	01/07/03	Uematsu	711	170	
AM	BL	6,539,490 B1	03/25/03	Forbes et al.	713	401	
AM	BM	6,552,564 B1	04/22/03	Forbes et al.	326	30	
AM	BN	6,587,912 B2	07/01/03	Leddige et al.	711	5	
AM	BO	6,590,816 B2	07/08/03	Perner	365	200	
AM	BP	6,594,713 B1	07/15/03	Fuoco et al.	710	31	
AM	BQ	2002/0112119 A1	08/15/02	Halbert et al.	711	115	
AM	BR	2003/0043426 A1	03/06/03	Baker et al.	359	109	
	BS						
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EXAMINER 	DATE CONSIDERED 1/10/06
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FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 501318.01	APPLICATION NO. 10/747184 Not yet assigned
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		APPLICANT(S) Joseph M. Jeddeloh	
		FILING DATE Concurrently herewith	GROUP ART UNIT Not yet assigned 2187

FOREIGN PATENT DOCUMENTS

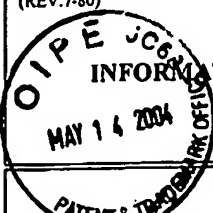
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BV							
	BW							
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	BY							

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

<i>A.M.</i>	BZ	Micron Technology, Inc., "Synchronous DRAM Module 512MB/1GB (x72, ECC) 168-PIN Registered FBGA SDRAM DIMM, Micron Technology, Inc., 2002, pp. 1-23.
	CA	
	CB	
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	CD	
	CE	
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	CG	
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EXAMINER <i>At Mori</i>	DATE CONSIDERED 1/10/06
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FORM PTO-1449 (REV.7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 501318.01		APPLICATION NO. 10/747,984	
 <p>INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)</p>				APPLICANT(S) Joseph M. Jeddeloh			
				FILING DATE December 29, 2003		GROUP ART UNIT 2186 2187	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AM	AA	5,818,844	10/06/98	Singh et al.	370	463	
AM	AB	6,272,609	08/07/01	Jeddeloh	711	169	
AM	AC	6,477,592	11/05/02	Chen et al.	710	52	
AM	AD	6,462,978	10/08/02	Shibata et al.	365	63	
AM	AE	6,523,092	02/18/03	Fanning	711	134	
AM	AF	6,523,093	02/18/03	Bogin et al.	711	137	
AM	AG	6,622,227	09/16/03	Zumkehr et al.	711	167	
AM	AH	6,631,440	10/07/03	Jenne et al.	711	105	
AM	AI	2002/0144064	10/03/02	Fanning	711	144	
AM	AJ	2003/0005223	01/02/03	Coulson et al.	711	118	
AM	AK	2003/0229770	12/11/03	Jeddeloh	711	213	
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	AM						
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	AO						
	AP						
	AQ						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	AR						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AS	Intel, "Intel 840 Chipset: 82840 Memory Controller Hub (MCH)", Datasheet, October 1999, pp. 1-178.					
EXAMINER <i>AM</i>				DATE CONSIDERED <i>1/10/06</i>			
* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).							

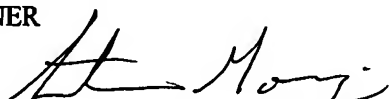
FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 501318.01	APPLICATION NO. 10/747,984
INFORMATION DISCLOSURE STATEMENT (Additional sheets if necessary)		APPLICANT(S) Joseph M. Jeddeloh	
		FILING DATE December 29, 2003	GROUP ART UNIT 2186 2187

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AM	AA	5,544,319	08/06/96	Acton et al.	395	200.07	
AM	AB	5,822,255	10/13/98	Uchida	365	194	
AM	AC	5,875,454	02/23/99	Craft et al.	711	113	
AM	AD	6,033,951	03/07/00	Chao	438	253	
AM	AE	6,079,008	06/20/00	Clery, III	712	11	
AM	AF	6,186,400 B1	02/13/01	Dvorkis et al.	235	462.45	
AM	AG	6,243,831 B1	06/05/01	Mustafa et al.	714	24	
AM	AH	6,256,692 B1	07/03/01	Yoda et al.	710	104	
AM	AI	6,392,653 B1	05/21/02	Malandain et al.	345	501	
AM	AJ	6,438,668 B1	08/20/02	Esfahani et al.	711	165	
AM	AK	6,636,110 B1	10/21/03	Ooishi et al.	327	565	
AM	AL	6,681,292 B2	01/20/04	Creta et al.	711	119	
	AM						
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	AS						
	AT						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	AU	"Free On-Line Dictionary of Computing" entry 'Flash Erasable Programmable Read-Only Memory, online May 17, 2004 [http://foldoc.doc.ic.ac.uk/foldoc/foldoc.cgi?flash+memory]
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EXAMINER 	DATE CONSIDERED 1/10/06
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* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

AM Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/822,275, describing and claiming subject matter that is similar to the subject matter of this application, was filed on April 8, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

AM Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/773,583, describing and claiming subject matter that is similar to the subject matter of this application, was filed on February 5, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

AM Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/645,288, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 20, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

AM Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/747,917, describing and claiming subject matter that is similar to the subject matter of this application, was filed on December 29, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

AM Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/812,950, describing and claiming subject matter that is similar to the subject matter of this application, was filed on March 29, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

AM Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/773,520, describing and claiming subject matter that is similar to the subject matter of this application, was filed on February 5, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

11
Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/797,727, describing and claiming subject matter that is similar to the subject matter of this application, was filed on March 8, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

11
Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/809,839, describing and claiming subject matter that is similar to the subject matter of this application, was filed on March 24, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

11
Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/819,366, describing and claiming subject matter that is similar to the subject matter of this application, was filed on April 5, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

11
Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/810,229, describing and claiming subject matter that is similar to the subject matter of this application, was filed on March 25, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

A. Noz 1/10/06

PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date

December 29, 2003

Denise Sheridan

Denise Sheridan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Joseph M. Jeddeloh

Attorney Docket No.: 501318.01

Serial No. : ~~Not yet assigned~~ 10/747,984Group Art Unit : ~~Not yet assigned~~ 2187

Filed : December 29, 2003

Examiner : ~~Not yet assigned~~ A. GogiaTitle : MEMORY HUB AND METHOD FOR MEMORY SYSTEM PERFORMANCE
MONITORINGINFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicant wishes to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449. Copies of the cited foreign patent and non-patent literature references, as required under 37 C.F.R. § 1.98(a)(2), are enclosed. Copies of the cited U.S. patents and U.S. patent application publications will not be submitted herewith in accordance with the waiver by the Office of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for U.S. national patent applications filed after June 30, 2003. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicant's duty to disclose all information he is aware of which is believed relevant to the examination of the above-identified application, applicant believes that his invention is patentable.

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 09/994,516, describing and claiming subject matter that is similar to the

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IDS submitted 12/29/03

subject matter of this application, was filed on November 26, 2001. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

AM
Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/165,787, describing and claiming subject matter that is similar to the subject matter of this application, was filed on June 7, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

AM
Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/215,505, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 9, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

AM
Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/211,036, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 2, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

AM
Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/601,222, describing and claiming subject matter that is similar to the subject matter of this application, was filed on June 20, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

AM
Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/213,038, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 5, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

AM 1/10/06²

IDS Submitted 12/29/03

JA Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/601,104, describing and claiming subject matter that is similar to the subject matter of this application, was filed on June 19, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

JA Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/238,322, describing and claiming subject matter that is similar to the subject matter of this application, was filed on September 9, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

JA Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/232,842, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 29, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

JA Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/601,253, describing and claiming subject matter that is similar to the subject matter of this application, was filed on June 20, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

JA Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/232,473, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 29, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

JA Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/601,252, describing and claiming subject matter that is similar to the subject matter of this application, was filed on June 20, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

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14 Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/222,415, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 16, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

11 Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/222,393, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 16, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

11 Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/690,810, describing and claiming subject matter that is similar to the subject matter of this application, was filed on October 20, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

11 Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/644,522, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 19, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

11 Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/660,844, describing and claiming subject matter that is similar to the subject matter of this application, was filed on September 12, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

14 Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/651,801, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 28, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

IDS Submitted 12/29/03

11 Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/665,904, describing and claiming subject matter that is similar to the subject matter of this application, was filed on September 18, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

11 Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/653,044, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 28, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

11 Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/695,383, describing and claiming subject matter that is similar to the subject matter of this application, was filed on October 27, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

11 Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/460,588, describing and claiming subject matter that is similar to the subject matter of this application, was filed on June 11, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

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